

Louisiana Department of Environmental Quality (LDEQ)
Office of Environmental Services

STATEMENT OF BASIS

Dolet Hills Power Station
CLECO Corporation
Mansfield, DeSoto Parish, Louisiana
Agency Interest Number: 585
Activity Number: PER20060001 and PER20060002
Proposed Permit Number: 0760-00001-V1 and PSD-LA-117(M-5)

I. APPLICANT

Company:
Cleco Corporation
2030 Donahue Ferry Road
Pineville, Louisiana 71360

Facility:
Dolet Hills Power Station
963 Power Plant Rd
Mansfield, DeSoto Parish, Louisiana
UTM Coordinates are 446.289 km E and 3544.012 km N, Zone 15

II. FACILITY AND CURRENT PERMIT STATUS

Dolet Hills Power Station is a fossil fuel-fired steam/electric generation facility. Fossil fuels are fired in a boiler to produce steam that is used to power a steam turbine/electric generator. Unit 1 Boiler burns natural gas, propane, No. 2 fuel oil, and lignite.

Emission sources include the boiler; tanks; coal and fly ash handling, storage and transfer; erosion; fugitive dust from roads; and standby diesel-fired fire pump and generator engines. Particulate emissions result from coal and fly ash handling, storage, and transfer. Most ash is marketed. Fly ash not sold is managed in an onsite landfill.

An electrostatic precipitator and a flue gas desulfurization system control particulate matter (PM_{10}) and sulfur dioxide (SO_2) emissions from the Unit 1 boiler. Water sprays and chemical wetting agents are used for dust suppression. Coal conveyors are enclosed on the top and both sides. Baghouses and cyclones are used to control particulate emissions from the coal and fly ash silos and fly ash loading.

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Lignite is delivered from a nearby surface mine. Limestone is delivered by railcar or truck. Lignite and coal handling sources of particulate emissions. There are numerous tanks and material handling equipment associated with this facility.

Cleco is proposing to replace the existing burners with new low NO_x burners and to add an over-fire air to the Unit 1 Boiler to further reduce NO_x emissions.

In addition, PSD Permit PSD-LA-117 (M-4) dated October 17, 2002 and Acid Rain Permit 0760-00001-IV2 dated May 22, 2006 were also issued to the complex.

III. PROPOSED PROJECT/PERMIT INFORMATION

Application

A permit application was submitted on May 8, 2006 requesting a Part 70 operating permit and a PSD modification for the Dolet Hills Power Station. Additional information dated June 19, 2006 was also submitted.

Project

Cleco is proposing to replace existing the remaining burners with new low NO_x burners and to add an over-fire air to the Unit 1 Boiler to further reduce NO_x emissions.

Proposed Permit

Permit PSD-LA-117(M-5) will be the PSD Permit for this project and 0760-00001-V1 modification of Part 70 operating permit 0760-00001-V0 for the Dolet Hills Power Station.

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Permitted Air Emissions

Estimated emissions in tons per year are as follows:

Pollutant	Before	After	Change
PM ₁₀	2618.80	2618.80	-
SO ₂	35850.50	35850.50	-
NO _x	17934.53	8970.53	-8964.00
CO	2498.62	4482.62	+1984.00
VOC*	98.22	98.22	-

***VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):**

Pollutant	Before	After	Change
Benzene	3.138	3.138	-
Ethylbenzene	0.227	0.227	-
Formaldehyde	0.598	0.598	-
Hexane	0.288	0.288	-
Toluene	0.584	0.584	-
Xylene	0.091	0.091	-
Acetaldehyde	1.375	1.375	-
Acetophenone	0.036	0.036	-
Acrolein	0.700	0.700	-
Benzyl Chloride	1.689	1.689	-
Biphenyl	0.004	0.004	-
Bis(2-ethylhexyl)phthalate	0.176	0.176	-
Bromoform	0.094	0.094	-
Carbon disulfide	0.314	0.314	-
2-Chloroacetophenone	0.017	0.017	-
Chlorobenzene	0.053	0.053	-
Chloroform	0.142	0.142	-
Cumene	0.013	0.013	-
Dimethyl Sulfate	0.116	0.116	-
Dichlorobenzene	<0.001	<0.001	-
2,4-Dinitrotoluene	0.001	0.001	-
Chlorinated dibenzo-p-dioxins	<0.001	<0.001	-
Ethyl Chloride	0.101	0.101	-
Ethylene dichloride	0.096	0.096	-
Ethylene dibromide	0.003	0.003	-
Isophorone	1.399	1.399	-
Methyl bromide	0.386	0.386	-
Methyl chloride	1.278	1.278	-
Methyl Ethyl Ketone	0.941	0.941	-
Methyl Hydrazine	0.410	0.410	-
Methyl Methacrylate	0.048	0.048	-
2-methylnaphthalene	<0.001	<0.001	-
Methyl tert butyl ether	0.084	0.084	-
Naphthalene	0.032	0.032	-
Phenol	0.039	0.039	-
Propionaldehyde	0.917	0.917	-

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Styrene	0.060	0.060	-
Vinyl Acetate	0.018	0.018	-
PAH's	0.052	0.052	-
Total	15.520	15.520	-

Non-VOC TAP Speciation

Pollutant	Before	After	Change
Antimony	0.046	0.046	-
Arsenic	0.991	0.991	-
Barium	3.901	3.901	-
Beryllium	0.051	0.051	-
Cadmium	0.123	0.123	-
Chromium VI	0.191	0.191	-
Cobalt	0.245	0.245	-
Copper	0.199	0.199	-
Cyanide compounds	6.030	6.030	-
Lead	1.014	1.014	-
Manganese	1.209	1.209	-
Mercury	0.201	0.201	-
Methylene chloride	0.700	0.700	-
Nickel	0.727	0.727	-
Selenium	3.141	3.141	-
Sulfuric Acid	26.500	26.500	-
Tetrachloroethylene	0.104	0.104	-
Zinc	0.591	0.591	-
HCl	487.000	487.000	-
HF	71.600	71.600	-
1,1,1-Trichloroethane	0.048	0.048	-
Ammonia	1.095	1.095	-
Total	605.707	605.707	-

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IV REGULATORY ANALYSIS

The applicability of the appropriate regulations is straightforward and provided in the Specific Requirements section of the proposed permit. Similarly, the Monitoring, Reporting and Recordkeeping necessary to demonstrate compliance with the applicable terms, conditions and standards are also provided in the Specific Requirements section of the proposed permit.

Applicability and Exemptions of Selected Subject Items

ID No.	Requirement	Note
Facility Wide	Chemical Accident Prevention and Minimization of Consequences, LAC 33:III.Chapter 59. Chemical Accident Prevention Provisions, 40 CFR 68	Does Not Apply- Facility does not store listed chemicals above the threshold quantities, except propane which is excluded from regulation when it is used as a fuel or held for sale as a fuel. [§68.126]
1-78 Unit 1 Boiler	Comprehensive TAP Emission Control Program, LAC 33:III.5109-State Only NSPS Subpart Da- Standards of Performance for Steam Generating Units.	Exempt-Electric utility steam generating units are exempt per LAC 33:III.5105.B.2. Does Not Apply. Since Subpart Da is not applicable since no construction, modification, or reconstruction has occurred after September 18, 1978. The changes to the permit did not meet the definition of a modification per 40 CFR 60.14(h).
1-78 Unit 1 Boiler	NSPS Subpart Db- Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units (40 CFR 60.40b-60.49b) NSPS Subpart Dc- Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units (40 CFR 40c-48c)	Does Not Apply. The regulation applies to steam generating unit that commences construction, modification, or reconstruction after June 19, 1984, and that has a heat input capacity of greater than 29 MW (100 MMbtu/hr) Does Not Apply. The regulation applies to steam generating unit for which construction, modification, or reconstruction is commenced after June 9, 1989 and that has a maximum design heat input capacity of 29 MW (100 MMbtu/hr) or less, but greater than or equal to 2.9 MW (10 MMbtu/hr)
	Chapter 9. General Regulations on control of Emissions and Emissions Standards- Emission Monitoring Requirements (LAC33:III.915)	Does Not Apply. Facilities subject to a new source performance standard in 40 CFR 60 are exempted from the requirements of LAC 33:III.915.A.

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1-78 Unit 1 Boiler Cont.	Chapter 15. Emissions Standards for Sulfur Dioxide-Continuous Emissions Monitoring (LAC 33:III.1511) NO _x Budget Trading Program for State Implementation Plans (40 CFR 96.1-96.382) Federal NO _x Budget Trading Program (40 CFR 97.1-97.90)	Exempt standard and exempt from the Chapter 15 continuous emissions monitoring requirements per LAC 33:III.915.D	Facility is subject to a new source performance budget trading program in accordance with 40 CFR 51.121. No Specific Requirements. Per 40 CFR 52.34, Louisiana is not included in the list of participating states.
4-78 Fuel Oil Storage Tank	Storage of Volatile Organic Compounds, LAC 33:III.2103	LAC	Does Not Apply - Maximum TVP<1.5 psia.
5-96 Cooling Tower	NSPS Subpart Kb- Standards of Performance for Storage Vessels for Volatile Organic Liquid Storage Vessels (including Petroleum Liquid Storage Vessels)	Does Not Apply. Maximum true vapor pressure less than 3.5 kPa. 60.110b(b)	Facility does not use chromium-based water treatment chemicals.
6-96-9-96 Diesel Tanks	NESHAP 40 CFR 63 Subpart Q- Industrial Process Cooling Towers, 40 CFR 63.400 Storage of Volatile Organic Compounds, LAC 33:III.2103	LAC	Does Not Apply- Maximum TVP <1.5 psia
1-4	NSPS Subpart Kb- Standards of Performance for Volatile Organic Liquid Storage Vessels, 40 CFR 60.110b	Does Not Apply-Tank Capacities <19,815 gallons.	
10-96 Gasoline Tank	NSPS Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels, 40 CFR 60.110b	Does Not Apply-Tank Capacities <19,815 gallons.	

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Prevention of Significant Deterioration/Nonattainment Review

Under current PSD regulations, an analysis of “top down” BACT is required for the control of each regulated pollutant emitted from a modified major source in excess of the specified significant emission rates. The top down approach to the BACT process involves determining the most stringent control technique available for a similar or identical source. If it can be shown that this level of control is infeasible based on technical, environmental, energy, and/or cost considerations, then it is rejected and the next most stringent level of control is determined and similarly evaluated. This process continues until a control level is arrived at which cannot be eliminated for any technical, environmental, or economic reason. A technically feasible control strategy is one that has been demonstrated to function efficiently on identical or similar processes.

CLECO Corporation proposes to replace the Unit 1 boiler with low NO_x burners and the addition of over-fire air at the Dolet Hills Power Station. CO emissions from this project will be above PSD de minimis levels. A BACT analysis is required for this PSD regulated pollutant.

CO is the result of incomplete combustion and is minimized through ideal combustion practices including high temperatures, adequate excess air and residence time, and optimal fuel/air mixing during combustion. Good Combustion Practices, as identified in the RBLC, will be used to reduce CO emissions from coal fired boilers retrofitted with low NO_x burners and over-fire air. There are currently no viable “add-on” control technologies identified in the RBLC.

Emissions of CO will be controlled through using good combustion practices. The use of good combustion practices controls the amount and distribution of excess air in the flue gas to ensure that there is enough oxygen present for complete combustion, thereby minimizing emissions. Also, good maintenance and operation procedures will be followed during operation of Unit 1 boiler.

Air Quality Analysis

PSD regulations require an analysis of existing air quality for those pollutant emissions that increase significantly from a proposed major source. CO is the pollutant of concern in this case.

The Dolet Hills Power Station Project modeling predicted concentrations will be compliant with National Ambient Air Quality Standards. The predicted project emission concentrations were significant for CO (1-hour and 8-hour averaging periods). NAAQS limits were not exceeded at any significant receptors for the Cleco Corporation’s Dolet Hills Power Station Project.

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Dispersion Model Used: ISCST3

Pollutant	Time Period	Calculated Maximum Ground Level Concentration	Louisiana Toxic Air Pollutant Ambient Air Quality Standard or (National Ambient Air Quality Standard {NAAQS})
CO	1-hour	*67.93 ($\mu\text{g}/\text{m}^3$)	{40,000 $\mu\text{g}/\text{m}^3$ }
	8-hour	*19.50 ($\mu\text{g}/\text{m}^3$)	{10,000 $\mu\text{g}/\text{m}^3$ }

*Preliminary Screening

General Condition XVII Activities

The facility will comply with the applicable General Condition XVII Activities emissions as required by the operating permit rule. However, General Condition XVII Activities are not subject to testing, monitoring, reporting or recordkeeping requirements. For a list of approved General Condition XVII Activities, refer to the Section VIII – General Condition XVII Activities of the proposed permit.

Insignificant Activities

All Insignificant Activities are authorized under LAC 33:III.501.B.5. For a list of approved Insignificant Activities, refer to the Section IX – Insignificant Activities of the proposed permit.

VI. PERIODIC MONITORING

EQT 2 Unit 1 Boiler –

- Oxygen and Carbon dioxide are monitored by a continuous emission monitor (CEM)
- Carbon monoxide is monitored by a continuous emission monitor (CEM).
- Nitrogen oxide is monitored by a continuous emission monitor (CEM)
- Opacity is monitored by continuous opacity monitor (COM).
- Sulfur dioxide is monitored by a continuous emission monitor (CEM)

EQT 4 Unit Silo Dust Collectors-

- Baghouse equipment monitored by technically sound method semiannually.
- Visible emissions monitored by visual inspection weekly.

EQT 5 Lignite Silo Dust Collectors-

- Baghouse equipment monitored by technically sound method semiannually.
- Visible emissions monitored by visual inspection weekly.

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VII. GLOSSARY

Carbon Monoxide (CO) – A colorless, odorless gas, which is an oxide of carbon.

Maximum Achievable Control Technology (MACT) – The maximum degree of reduction in emissions of each air pollutant subject to LAC 33:III, Chapter 51 (including a prohibition on such emissions, where achievable) that the administrative authority, upon review of submitted MACT compliance plans and other relevant information and taking into consideration the cost of achieving such emission reduction, as well as any non-air-quality health and environmental impacts and energy requirements, determines is achievable through application of measures, processes, methods, systems, or techniques.

Hydrogen Sulfide (H₂S) – A colorless inflammable gas having the characteristic odor of rotten eggs, and found in many mineral springs. It is produced by the reaction of acids on metallic sulfides, and is an important chemical reagent.

New Source Review (NSR) – A preconstruction review and permitting program applicable to new or modified major stationary sources of air pollutants regulated under the Clean Air Act (CAA). NSR is required by Parts C (“Prevention of Significant Deterioration of Air Quality”) and D (“Nonattainment New Source Review”).

Nitrogen Oxides (NO_x) – Compounds whose molecules consist of nitrogen and oxygen.

Organic Compound – Any compound of carbon and another element. Examples: Methane (CH₄), Ethane (C₂H₆), Carbon Disulfide (CS₂)

Part 70 Operating Permit – Also referred to as a Title V permit, required for major sources as defined in 40 CFR 70 and LAC 33:III.507. Major sources include, but are not limited to, sources which have the potential to emit: ≥10 tons per year of any toxic air pollutant; ≥25 tons of total toxic air pollutants; and ≥100 tons per year of regulated pollutants (unless regulated solely under 112(r) of the Clean Air Act) (25 tons per year for sources in non-attainment parishes).

PM₁₀ – Particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers as measured by the method in Title 40, Code of Federal Regulations, Part 50, Appendix J.

Potential to Emit (PTE) – The maximum capacity of a stationary source to emit any air pollutant under its physical and operational design.

Prevention of Significant Deterioration (PSD) – A New Source Review permitting program for major sources in geographic areas that meet the National Ambient

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Air Quality Standards (NAAQS) at 40 CFR Part 50. PSD requirements are designed to ensure that the air quality in attainment areas will not degrade.

Sulfur Dioxide (SO_2) – An oxide of sulfur.

Sulfuric Acid (H_2SO_4) – A highly corrosive, dense oily liquid. It is a regulated toxic air pollutant under LAC 33:III.Chapter 51.

Title V Permit – See Part 70 Operating Permit.

Volatile Organic Compound (VOC) – Any organic compound, which participates in atmospheric photochemical reactions; that is, any organic compound other than those, which the administrator of the U.S. Environmental Protection Agency designates as having negligible photochemical reactivity.

Worksheet for Technical Review of Working Draft of Proposed Permit

Company Name:	Cleco Corporation	AI #:	585	TEMPO Activity No:	PER20060001
Facility Name:	Dolet Hills Power Station	Remarks Submitted by:	Cleco Corporation – Brent Croom		
Permit Writer:	Ms. Yvette McGeehee	Permit Writer Email address:	yvette.mcgehee@la.gov		

Instructions

Permit Reference – Indicate specific portion(s) of the permit to which the remark relates (i.e. “Specific Condition 120”, or “Section II Air Permits Briefing Sheet”, etc.).

Remarks – Explain the basis for each remark. Provide regulatory citations where possible. If the remark is made due to an error or omission in the permit application this must be noted and the revised information **must be submitted**. Revised information may be submitted separately from this worksheet. Please be aware that revised information must be submitted in writing and certified by the Responsible Official, and if necessary, by a Professional Engineer licensed in Louisiana. *Please Note:* New or additional equipment, processes or operating conditions not addressed in the original permit application will be addressed on a case-by-case basis. The Department reserves the right to address such changes in a separate permit action.

DEQ Response – DO NOT COMPLETE THIS SECTION. This section will be completed by Air Permits Division of DEQ, included in the proposed permit package and made available for public review during any required public comment period.

- Additional rows may be added as necessary.
- Completed Form shall be emailed to the Permit writer in MS Word compatible format within the deadline specified in the email notification.

Permit Reference	Remarks	Air Permits Division Response (for official use only)
Section I Air Permit Briefing Sheet	Revise reference of PSD-LA-711 to PSD-LA-117 on all occurrences.	The corrections were made.
Section I Air Permit Briefing Sheet	Page 1 - Clarify in last paragraph that limestone is also received by trucks; Page 2 – Paragraph 2, 1 st sentence - Delete "existing" burners and state "remaining" burners.	The corrections were made.
Section Inventories – Page 1 of 2	Revise Normal Operating Rate for Source ID's 5-78, 7-78, and 10-78 to 1,136 tons per hour. Revise normal operating rates for Source ID's 6-78, 8-78, and 11-78 to 44 tons per hour.	This application only modified emission point 1-78. The emission limits calculations for the listed Source ID's are based on existing operating limits. The increase proposed will increase the operating rates and will have to be included as a future modification.
SPECIFIC REQUIREMENTS	Page 1 of 14. Delete specific requirements 15 and 16 (not needed) and move requirement 17 to GRP003. #15, 15, 17	All sp. Req. were removed since Methylene Chloride is already included in the permit as dichloromethane.

SPECIFIC REQUIREMENTS #20	Revise average to 1364 lb/hr from 570 lb/hr and 10,000 lb/hr max instead of 3,000 lb/hr. Modeling results for the 10,000 lb/hr were submitted to LDEQ in May 2006 (see Appendix C of modeling submittal)	The corrections were made.
SPECIFIC REQUIREMENTS #35	Revise all references of PSD-LA-117(M-4) to PSD-LA-117(M-5).	The corrections were made.
SPECIFIC REQUIREMENTS #41	Clarify that 0.15 lb/MMBTU is an "annual" hourly average.	The correction was made.
SPECIFIC REQUIREMENTS #55	Please note that this test has been completed.	The corrections were made.
SPECIFIC REQUIREMENTS #63	For GRP003, silver and thallium should be added.	Not included because they are not regulated TAPs/HAPs.
SPECIFIC REQUIREMENTS #118	Delete "determine the" from sentence.	The correction was made.
	Clarify that this requirement is only applicable to the lignite unloaded from the lignite mine (main lignite unloading).	This requirement is applicable to all lignite unloading.

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS	Add Methylene Chloride to pollutant list throughout the permit including GRP 003.	Dichloromethane, also known as Methylene Chloride was added to GRP003.
PSD Briefing Sheet	Page 3 delete "up to '16" from first sentence and simply state: "... proposes to replace existing burners." Page 3, 2nd paragraph from end of page, clarify that limestone is delivered by railcar and/or truck .	The corrections were made.
PSD MODIFICATION PERMIT PRELIMINARY DETERMINATION SUMMARY	Reference to PSD-LA-718 should be PSD-LA-117 (M-5) On Page 9 (Section C) "remove the statement that "Predicted concentrations exceeding the NAAQS are a result of AOI sources. These exceedances occur at receptor locations beyond the significant impact area." Cleco isn't aware of any predicted CO exceedances of NAAQS. Page 9 (Section E) delete "up to '16" from first sentence and simply state: "... proposes to replace existing burners." On Page 11, under 1-78, clarify that the SO2 limits for both lb/hr and lb/MMBTU are "3-hour averages." Also clarify that the NOx maximum lb/hr is a 30-day average.	The corrections were made.
PSD MODIFICATION PERMIT STATEMENT OF BASIS	Reference to PSD-LA-718 should be PSD-LA-117 (M-5). Section II, 3 rd paragraph, clarify that Coal conveyors are "partially" enclosed. On 4 th paragraph clarify that limestone is received by railcar and/or truck .	The corrections were made.
PSD MODIFICATION PERMIT STATEMENT OF BASIS	Under "Air Quality Analysis," remove the statement that "Predicted concentrations exceeding the NAAQS are a result of AOI sources. These exceedances occur at receptor locations beyond the significant impact area." Cleco isn't aware of any predicted CO exceedances of NAAQS.	The corrections were made.

SPECIFIC REQUIREMENTS

AI ID: 585 - CLECO Corp - Dolet Hills Power Station

Activity Number: PER20060001

Permit Number: 0760-00001-V1

Air - Title V Regular Permit Major Mod

A1585

- 1 Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.111 or intensify an existing traffic hazard condition are prohibited. [LAC 33:III.1103]
 - 2 Outdoor burning of waste material or other combustible material is prohibited. [LAC 33:III.1109.B]
 - 3 Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited. [LAC 33:III.1303.B]
 - 4 Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5. [LAC 33:III.2113.A]
 - 5 Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance. [LAC 33:III.219]
 - 6 Activate the preplanned abatement strategy listed in LAC 33:III.5611.Table 5 when the administrative authority declares an Air Pollution Alert. [LAC 33:III.5609.A.1.b]
 - 7 Activate the preplanned strategy listed in LAC 33:III.5611.Table 6 when the administrative authority declares an Air Pollution Warning. [LAC 33:III.5609.A.2.b]
 - 8 Activate the preplanned abatement strategy listed in LAC 33:III.5611.Table 7 when the administrative authority declares an Air Pollution Emergency. [LAC 33:III.5609.A.3.b]
 - 9 Prepare standby plans for the reduction of emissions during periods of Air Pollution Alert, Air Pollution Warning and Air Pollution Emergency. Design standby plans to reduce or eliminate emissions in accordance with the objectives as set forth in LAC 33:III.5611.Tables 5, 6, and 7. [LAC 33:III.5609.A]
 - 10 Install air pollution control facilities whenever practically, economically, and technologically feasible. When facilities have been installed on a property, use them and diligently maintain them in proper working order whenever any emissions are being made which can be controlled by the facilities, even though the ambient air quality standards in affected areas are not exceeded. [LAC 33:III.905]
 - 11 Submit Emission Inventory (EI)/Annual Emissions Statement: Due annually, by the 31st of March for the period January 1 to December 31 of the previous year. Submit emission inventory data in the format specified by the Office of Environmental Assessment, Environmental Evaluation Division. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D. [LAC 33:III.919.D]
 - 12 All affected facilities shall comply with all applicable provisions in 40 CFR 60 Subpart A. [40 CFR 60]
- EQT002 1-78 Unit 1 Boiler**
- 13 Sulfur dioxide <= 2000 ppmv. [LAC 33:III.1503]
Which Months: All Year Statistical Basis: Three-hour average
 - 14 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]
 Methylene Chloride <= 0.160 lb/hr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Hourly average
 Methylene Chloride <= 0.192 lb/hr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Hourly maximum
 Methylene Chloride <= 0.700 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
 - 18 Unit 1 Opacity exceedances occur because of high moisture in the stack and during these conditions the alternate opacity monitor (which is upstream of the FGD scrubber) may be utilized as approved in a letter dated December 30, 1997 from the Louisiana Department of Environmental Quality. [LAC 33:III.501.C.6]

SPECIFIC REQUIREMENTS

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Air - Title V Regular Permit Major Mod

EQT002 1-78 Unit 1 Boiler

- 19 For Unit 1 Boiler, periods of startup and shutdown are defined as times when the unit is below 200 megawatts (a 523 megawatt system). Due to operational variability during startup and shutdown periods emissions are not considered in excess of permitted levels for all monitored pollutants while operating in startup and/or shutdown mode, (NOx, SO₂, and opacity) but these emissions should be included in the quarterly excess emissions report as stated in December 7, 1994 letter from DEQ. [LAC 33:III.501.C.6]
- 20 Carbon monoxide <= ~~526.3~~ lb/hr with the maximum 1 hour reading <= ~~220.5~~ lb/hr. It is not a violation of the permit if the maximum 1 hour reading exceeds the listed value, provided that the subsequent required modeling indicates that the emission rate does not cause an exceedance of the NAAQS. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: Thirty-day rolling average
- 21 Carbon monoxide recordkeeping by continuous emission monitor (CEM) continuously. [LAC 33:III.501.C.6]
- 22 Carbon monoxide monitored by continuous emission monitor (CEM) continuously. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: None specified
- 23 Carbon monoxide: Within six months of issuance of the permit, permittee shall model the highest one hour max. lb/hr CO emissions from the last five years CEMS data, if greater than 3000 lb/hr. Permittee can use ISCST Screen followed by detailed modeling if the facility does not show compliance with the NAAQS using the screening model. [LAC 33:III.501.C.6]
- 24 Carbon monoxide Submit semiannual report: Due semiannually, by March 31st and September 30th for the preceding calendar periods of July 1st through December 31st and January 1st through June 30th. CEMS data shall be evaluated every 6 months to determine if a one hour max lb/hr Carbon Monoxide (CO) emission rate exceeded the maximum 1 hour listed value. The report shall state either that the CO emission rate is in compliance or shall contain a new modeling report based upon the new highest reading showing that the NAAQS has not been exceeded. New qualified CO maximum emission rates can be incorporated through an Administrative Amendment. [LAC 33:III.501.C.6]
- 25 The designated representative shall submit a complete Acid Rain permit application (including a compliance plan) in accordance with the deadlines specified in 40 CFR 72.30, a completed reduced utilization plan if required under 40 CFR 72.43, and any supplemental information that the permitting authority determines is necessary in order to review an Acid Rain permit application and issue or deny an Acid Rain permit. [LAC 33:III.505, 40 CFR 72.9(a)(1)]
- 26 Operate the unit in compliance with a complete Acid Rain permit application or a superseding Acid Rain permit issued by the permitting authority, and have an Acid Rain Permit. [LAC 33:III.505, 40 CFR 72.9(a)(2)]
- 27 Comply with the monitoring requirements as provided in 40 CFR 75. [LAC 33:III.505, 40 CFR 72.9(b)]
- 28 The owners and operators shall hold allowances, as of the allowance transfer deadline, in the unit's compliance subaccount (after deductions under 40 CFR 73.34(c)) not less than the total annual emissions of sulfur dioxide for the previous calendar year from the unit and comply with the applicable Acid Rain emissions limitation for sulfur dioxide. [LAC 33:III.505, 40 CFR 72.9(c)(1)]
- 29 An allowance shall not be deducted, in order to comply with the requirements under 40 CFR 72.9(c)(1)(i), prior to the calendar year for which the allowance was allocated. [LAC 33:III.505, 40 CFR 72.9(c)(5)]
- 30 Comply with the applicable Acid Rain emissions limitation for nitrogen oxides. [LAC 33:III.505, 40 CFR 72.9(d)]
- 31 The designated representative of an affected unit that has excess emissions in any calendar year shall submit a proposed offset plan, as required under 40 CFR 77. [LAC 33:III.505, 40 CFR 72.9(e)(1)]
- 32 The owners and operators of an affected unit that has excess emissions in any calendar year shall pay without demand the penalty required, and pay upon demand the interest on that penalty, as required by 40 CFR 77, and comply with the terms of an approved offset plan, as required by 40 CFR 77. [LAC 33:III.505, 40 CFR 72.9(e)(2)]

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EQT002 1-78 Unit 1 Boiler

- 32 Sulfur dioxide <= 1.2 lb/MMBTU Where emission limits are based on both maximum allowable emissions in pounds per hour and an allowable based on lb/MMBTU heat input, both of these emission limits must be met to achieve compliance with this permit. [LAC 33:III.509]
- Which Months: All Year Statistical Basis: Three-hour average
- 33 Particulate matter (10 microns or less) <= 0.084 lb/MMBTU Where emission limits are based on both maximum allowable emissions in pounds per hour and an allowable based on lb/MMBTU heat input, both of these emission limits must be met to achieve compliance with this permit. [LAC 33:III.509]
- Which Months: All Year Statistical Basis: None specified
- 34 Carbon monoxide <= 0.15 lb/MMBTU. This limit is BACT for PSD-LA-117(M-5). [LAC 33:III.509]
- Which Months: All Year Statistical Basis: Annual average
- 35 Carbon monoxide <= 0.20 lb/MMBTU. This limit is BACT for PSD-LA-117(M-5). [LAC 33:III.509]
- Which Months: All Year Statistical Basis: 30 Day maximum
- 36 The permittee shall operate continuous opacity, sulfur dioxide, nitrogen oxides, and carbon dioxide monitors in accordance with 40 CFR 75.10. These continuous emission monitors (CEM's) will meet equipment and performance specifications in 40 CFR 75, Appendix A. The CEM's shall be subject to quality assurance and quality control procedures as specified in 40 CFR 75, Appendix B. The permittee shall calculate excess emissions of opacity, in percent, and sulfur dioxide, in lb/MMBTU, as provided in 40 CFR 60.45(g)(1) and (2), and excess emissions of nitrogen oxides in lb/MMBTU based on 30-day rolling averages. During periods when the continuous nitrogen oxide monitor is not in operation, the permittee will record nitrogen oxide emissions in accordance with the applicable missing data procedures in 40 CFR 75, Subpart D, Missing Data Substitution Procedures. In addition, the permittee shall operate a carbon monoxide monitor with a daily calibration error that does not exceed +/- 10 percent to measure and record carbon monoxide concentrations continuously. The permittee shall calculate excess emissions of carbon monoxide in lb/MMBTU based on a 30-day rolling average. Emissions in excess of the carbon monoxide emission limitations in Specific Condition 1 in PSD-LA-117 (M-4) shall be reported in accordance with 40 CFR 60.7(c) and (d).
- Permittee shall operate the continuous opacity monitor in accordance with Appendix B, Performance Specification 1, Performance Specifications and Specification Test Procedures for Transmissometer Systems for Continuous Measurement of the Opacity of Stack Emissions. [PSD-LA-117 (M-5)]. [LAC 33:III.509]
- 37 The permittee shall fire only lignite except during the initial hours of start-up and during periods of flame stabilization, at which time fuel oil, propane or natural gas may be fired. When requested, the permitting authority may, at its discretion, grant approval for the permittee to test fire other fuels and/or materials. [PSD-LA-117 (M-5)]. [LAC 33:III.509]
- 38 The permittee shall operate a continuous pH meter to measure and control the pH level of the scrubber liquor. The permittee shall operate a system of alarms to ensure proper operation of the scrubber. This alarm system shall alert the operators on initial indication of scrubber malfunctions. Records of the pH readout and scrubber malfunctions shall be kept and made available for inspection for a minimum of two years. [PSD-LA-117 (M-5)]. [LAC 33:III.509]
- 39 Compliance with the emission limitations in PSD-LA-117 (M-5) shall be determined by the test methods and procedures as set out in 40 CFR 60 Appendix A, Method 5, Determination of Particulate Emissions from Stationary Sources; Method 6, Determination of Sulfur Dioxide Emissions from Stationary Sources; Method 7, Determination of Nitrogen Oxide Emissions from Stationary Sources; Method 9, Visual Determination of the Opacity of Emissions from Stationary Sources; and Method 10, Determination of Carbon Monoxide Emissions from Stationary Sources. Compliance tests shall be conducted under conditions that reflect representative performance of the affected facility, described in Table 1 of permit PSD-LA-117 (M-5). (This test has been completed.) [PSD-LA-117 (M-5)]. [LAC 33:III.509]
- 40 The installed ESP shall be used and diligently maintained in proper working order whenever any emissions are being made which can be controlled by the ESP, even though the ambient air quality standards in the affected areas are not exceeded. [LAC 33:III.905]
- 41 Particulate matter (10 microns or less) <= 0.10 lb/MMBTU (43 nanograms per joule) heat input derived from fossil fuel or fossil fuel and wood residue. Subpart D. [40 CFR 60.42(a)(1)]
- Which Months: All Year Statistical Basis: None specified
- 42 Opacity <= 20 percent except for one six-minute period per hour of not more than 27 percent opacity. Subpart D. [40 CFR 60.42(a)(2)]
- Which Months: All Year Statistical Basis: Six-minute average

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- 41 Carbon monoxide <= 0.15 lb/MMBTU. This limit is BACT for PSD-LA-117(M-5). [LAC 33:III.509]
Which Months: All Year Statistical Basis: Hourly average
- 42 Carbon monoxide <= 0.20 lb/MMBTU. This limit is BACT for PSD-LA-117(M-5). [LAC 33:III.509]
Which Months: All Year Statistical Basis: 30 Day maximum
- 43 The installed ESP shall be used and diligently maintained in proper working order whenever any emissions are being made which can be controlled by the ESP, even though the ambient air quality standards in the affected areas are not exceeded. [LAC 33:III.905]
44 Particulate matter (10 microns or less) <= 0.10 lb/MMBTU (43 nanograms per joule) heat input derived from fossil fuel or fossil fuel and wood residue. Subpart D. [40 CFR 60.42(a)(1)]
Which Months: All Year Statistical Basis: None specified
45 Opacity <= 20 percent except for one six-minute period per hour of not more than 27 percent opacity. Subpart D. [40 CFR 60.42(a)(2)]
Which Months: All Year Statistical Basis: Six-minute average
- 46 Sulfur dioxide < 0.80 lb/MMBTU from liquid fossil fuel, and from solid fossil fuel <1.2 lb/MMBTU. Subpart D. [40 CFR 60.43(a)]
Which Months: All Year Statistical Basis: Three-hour average
- 47 Nitrogen oxides < 0.20 lb/MMBTU from gaseous fuels, < 0.30 lb/MMBTU from liquid fossil fuel. Subpart D. [40 CFR 60.44(a)]
Which Months: All Year Statistical Basis: None specified
- 48 Nitrogen oxides < 0.60 lb/MMBTU from lignite. Where emission limits are based on both maximum allowable emissions in pounds per hour and an allowable based on 1b/MMBTU heat input, both of these emission limits must be met to achieve compliance with this permit. [40 CFR 60.44(a)]
Which Months: All Year Statistical Basis: Thirty-day rolling average
- 49 Use the procedures in 40 CFR 60.45(c)(1) through (c)(5) for performance evaluations under 40 CFR 60.13(c) and calibration checks under 40 CFR 60.13(d). Subpart D. [40 CFR 60.45(c)]
50 Submit excess emission and monitoring system performance reports: Due semiannually for each six-month period in the calendar year. Postmark all semiannual reports by the 30th day following the end of each six-month period. Include the information required in 40 CFR 60.7(c). Subpart D. [40 CFR 60.45(g)]
- 51 Sulfur dioxide monitored by continuous emission monitor (CEM) continuously, except as provided in 40 CFR 60.45(b). Convert the data to the units of the applicable standard as specified in 40 CFR 60.45(e) and (f). Subpart D. [40 CFR 60.45]
Which Months: All Year Statistical Basis: None specified
- 52 Nitrogen oxides monitored by continuous emission monitor (CEM) continuously, except as provided in 40 CFR 60.45(b). Convert the data to the units of the applicable standard as specified in 40 CFR 60.45(e) and (f). Subpart D. [40 CFR 60.45]
- 53 Oxygen or Carbon dioxide monitored by continuous emission monitor (CEM) continuously, except as provided in 40 CFR 60.45(b). Convert the data to the units of the applicable standard as specified in 40 CFR 60.45(e) and (f). Subpart D. [40 CFR 60.45]
Which Months: All Year Statistical Basis: None specified
- 54 Opacity monitored by continuous opacity monitor (COM) continuously, except as provided in 40 CFR 60.45(b). Convert the data to the units of the applicable standard as specified in 40 CFR 60.45(e) and (f). Subpart D. [40 CFR 60.45]
Which Months: All Year Statistical Basis: None specified
- 55 Conduct the performance tests required in 40 CFR 60.8 using as reference methods and procedures the test methods in 40 CFR 60 Appendix A or other methods and procedures as specified in 40 CFR 60.46, except as provided in 40 CFR 60.3(b). Subpart D. [40 CFR 60.46(a)] *1N1H01 Only.*
- 56 The permittee will comply with all applicable requirements of 40 CFR 60. Subpart GGGG. [40 CFR 60.GGGG]
- 57 The permittee will comply with all applicable requirements of 40 CFR 60. Subpart HHHH. [40 CFR 60.HHHH]

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EQT002 1-78 Unit 1 Boiler

73 The designated representative shall submit, by the applicable deadline under 40 CFR 76.9(b), a complete Acid Rain permit application (or, if the unit is covered by an Acid Rain permit, a complete permit revision) that includes a complete compliance plan for NOx emissions covering the unit. [40 CFR 76.9(a)]

74 The designated representative shall submit a complete Acid Rain permit application, including a complete compliance plan for NOx emissions covering the unit, in accordance with the deadlines in 40 CFR 72.30(c). [40 CFR 76.9(d)]

75 Determine the annual average NOx emission rate, in lb/MMBtu, using the methods and procedures specified in 40 CFR 75. [40 CFR 76]

EQT004 1-96 Unit Silo Dust Collectors

76 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]

Which Months: All Year Statistical Basis: Six-minute average

77 Filter vents: Visible emissions monitored by visual inspection/determination weekly. A method 9 trained observer is not required. [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: None specified

78 Filter vents: Visible emissions recordkeeping by electronic or hard copy weekly. Keep records of visual checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]

79 Baghouses: Equipment/operational data monitored by technically sound method semiannually or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary. [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: None specified

80 Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]

81 Do not discharge from any coal processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal, gases that exhibit Opacity > 20 percent (This test has been completed.). [40 CFR 60.252(c)]

Which Months: All Year Statistical Basis: None specified

82 Determine compliance with the particulate matter standards in 40 CFR 60.252 using Method 9 and the procedures in 40 CFR 60.11 (This test has been completed.). [40 CFR 60.254(b)]

EQT005 2-96 Lignite Silo Dust Collectors

83 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]

Which Months: All Year Statistical Basis: Six-minute average

84 Filter vents: Visible emissions monitored by visual inspection/determination weekly. A method 9 trained observer is not required. [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: None specified

85 Filter vents: Visible emissions recordkeeping by electronic or hard copy weekly. Keep records of visual checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]

86 Baghouses: Equipment/operational data monitored by technically sound method semiannually or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary. [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: None specified

87 Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]

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EQT005 2-96 Lignite Silo Dust Collectors

88 Do not discharge from any coal processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal, gases that exhibit Opacity > 20 percent (This test has been completed.). [40 CFR 60.252(c)]
Which Months: All Year Statistical Basis: None specified

EQT006 3-96 Central Vacuum Cleaning System

89 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
Which Months: All Year Statistical Basis: Six-minute average

EQT007 5-96 Cooling Tower

90 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
Which Months: All Year Statistical Basis: Six-minute average

EQT012 10-96 Gasoline Tank

91 Equip with a submerged fill pipe. [LAC 33:III.2103.A]

EQT013 1-02 Fire Pump Diesel Engine

92 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
Which Months: All Year Statistical Basis: Six-minute average

93 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

EQT014 2-02 Emergency Generator Diesel Engine

94 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
Which Months: All Year Statistical Basis: Six-minute average

95 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

FUG001 5-78 Lignite Storage

96 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7. [LAC 33:III.1305]

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FUG002 6-78 Limestone Storage

- 98 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7. [LAC 33:III.1305]
99 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
Which Months: All Year Statistical Basis: Six-minute average
100 Opacity <= 5 percent [PSD-LA-117 (M-5)]. [LAC 33:III.509]
Which Months: All Year Statistical Basis: None specified

FUG003 7-78 Lignite Transfer

- 101 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7. [LAC 33:III.1305]
102 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
Which Months: All Year Statistical Basis: Six-minute average
103 Opacity <= 5 percent [PSD-LA-117 (M-5)]. [LAC 33:III.509]
Which Months: All Year Statistical Basis: None specified
104 The permittee shall utilize partial enclosures (for sides and top) on conveyor belts. [PSD-LA-117 (M-5)]. [LAC 33:III.509]
105 The permittee shall utilize wet suppression on transfer points. [PSD-LA-117 (M-5)]. [LAC 33:III.509]
106 The permittee shall provide protective enclosures at the transfer points and chutes and at the lignite crushing station. Protective enclosures shall be actual physical enclosures of transfer points and chutes. [PSD-LA-117 (M-5)]. [LAC 33:III.509]
107 Do not discharge from any coal processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal, gases that exhibit Opacity > 20 percent (This test has been completed.). [40 CFR 60.252(c)]
Which Months: All Year Statistical Basis: None specified

FUG004 8-78 Limestone Transfer

- 108 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7. [LAC 33:III.1305]
109 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
Which Months: All Year Statistical Basis: Six-minute average
110 Opacity <= 5 percent [PSD-LA-117 (M-5)]. [LAC 33:III.509]
Which Months: All Year Statistical Basis: None specified
111 The permittee shall utilize partial enclosures (for sides and top) on conveyor belts. [PSD-LA-117 (M-5)]. [LAC 33:III.509]
112 The permittee shall provide protective enclosures at the transfer points and chutes and at the lignite crushing station. Protective enclosures shall be actual physical enclosures of transfer points and chutes. [PSD-LA-117 (M-5)]. [LAC 33:III.509]

FUG005 10-78 Lignite Unloading

SPECIFIC REQUIREMENTS

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FUG004 8-78 LimeStone Transfer

- 111 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7. [LAC 33:III.1305]
- 112 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
- Which Months: All Year Statistical Basis: Six-minute average
- 113 The permittee shall utilize partial enclosures (for sides and top) on conveyor belts. [PSD-LA-117 (M-4)]. [LAC 33:III.509]
- 114 The permittee shall provide protective enclosures at the transfer points and chutes and at the lignite crushing station. Protective enclosures shall be actual physical enclosures of transfer points and chutes. [PSD-LA-117 (M-4)]. [LAC 33:III.509]
- 115 Opacity <= 5 percent [PSD-LA-117 (M-4)]. [LAC 33:III.509]
- Which Months: All Year Statistical Basis: None specified

FUG005 10-78 Lignite Unloading

- 116 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7. [LAC 33:III.1305]
- 117 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
- Which Months: All Year Statistical Basis: Six-minute average
- 118 The permittee shall utilize a telescopic chute with wet suppression. [PSD-LA-117 (M-4)]. [LAC 33:III.509]
- 119 Opacity <= 5 percent [PSD-LA-117 (M-4)]. [LAC 33:III.509]
- Which Months: All Year Statistical Basis: None specified
- 120 Do not discharge from any coal processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal, gases that exhibit Opacity > 20 percent (This test has been completed.). [40 CFR 60.252(c)]
- Which Months: All Year Statistical Basis: None specified

FUG006 11-78 LimeStone Unloading

- 121 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7. [LAC 33:III.1305]
- 122 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
- Which Months: All Year Statistical Basis: Six-minute average
- 123 The permittee shall utilize an enclosed hopper that is designed to minimize the distance (maximum 8 ft. when the truck is empty) the limestone drops into the trucks from the bottom dump railroad car vessel. [PSD-LA-117 (M-4)]. [LAC 33:III.509]
- 124 Opacity <= 5 percent [PSD-LA-117 (M-4)]. [LAC 33:III.509]
- Which Months: All Year Statistical Basis: None specified

FUG007 12-78 Fugitive Dust-Roads

- 125 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7. [LAC 33:III.1305]

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FUG007 12-78 Fugitive Dust-Roads

126 The permittee shall pave all permanent on site roads and shall water all temporary on site roads as necessary to control fugitive dust. Fugitive particulate emissions from on site roads shall not exceed an opacity limitation of 20 percent. [PSD-LA-117 (M-4)]. [LAC 33:III.509]

FUG008 4.96A Fly Ash Loading Emissions

- 127 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1.-7. [LAC 33:III.1305]
128 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
Which Months: All Year Statistical Basis: Six-minute average

FUG009 4.96B Scrubber Ventilation Vent

- 129 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1.-7. [LAC 33:III.1305]
130 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
Which Months: All Year Statistical Basis: Six-minute average

GRP003 Entire Facility

- 131 bis(2-ethylhexyl)phthalate <= 0.176 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
132 2,4-Dinitrotoluene <= 0.001 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
133 7,12-Dimethylbenz[a]anthracene < 0.001 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
134 Acenaphthylene <= 0.001 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
135 Anthracene <= 0.001 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
136 Benzo(a)anthracene < 0.001 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
137 Benzo(a)pyrene < 0.001 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
138 Benzo(b)fluoranthene < 0.001 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
139 Benzo(g,h,i)perylene < 0.001 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
140 Benzo(k)fluoranthene < 0.001 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

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GRP003 Entire Facility

- 141 Chromium VI (and compounds) \leq 0.191 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
- 142 Fluorene \leq 0.002 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
- 143 Indeno(1,2,3-cd)pyrene \leq 0.001 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
- 144 Phenanthrene \leq 0.007 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
- 145 Pyrene \leq 0.001 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
- 146 Particulate matter (10 microns or less) \leq 2618.80 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
- 147 Sulfur dioxide \leq 35830.50 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
- 148 VOC, Total \leq 98.22 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
- 149 1,1,1-Trichloroethane \leq 0.048 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
- 150 alpha-Chloroacetophenone \leq 0.017 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
- 151 2-Methylnaphthalene \leq 0.001 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
- 152 Acetaldehyde \leq 1.375 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
- 153 Acetophenone \leq 0.036 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
- 154 Acrolein \leq 0.700 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
- 155 Benzene \leq 3.138 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
- 156 Benzyl chloride \leq 1.689 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
- 157 Biphenyl \leq 0.004 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
- 158 Bromoform \leq 0.094 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
- 159 Carbon disulfide \leq 0.314 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
- 160 Chlorobenzene \leq 0.053 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum

SPECIFIC REQUIREMENTS

AI ID: 585 - CLECO Corp - Dolet Hills Power Station

Activity Number: PER20060001

Permit Number: 0760-00001-V1

Air - Title V Regular Permit Major Mod

GRP003 Entire Facility

- 161 Chloroform <= 0.142 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
- 162 Cumene <= 0.013 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
- 163 Cyanide compounds <= 6.030 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
- 164 Dichlorobenzene < 0.001 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
- 165 Dimethyl sulfate <= 0.116 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
- 166 Ethyl benzene <= 0.227 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
- 167 Chloroethane <= 0.101 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
- 168 1,2-Dibromoethane <= 0.003 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
- 169 1,2-Dichloroethane <= 0.096 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
- 170 Formaldehyde <= 0.598 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
- 171 n-Hexane <= 0.288 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
- 172 Isophorone <= 1.399 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
- 173 Methyl bromide <= 0.386 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
- 174 Methyl chloride <= 1.278 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
- 175 Methyl ethyl ketone <= 0.941 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
- 176 Monomethyl hydrazine <= 0.410 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
- 177 Methyl methacrylate <= 0.048 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
- 178 Methyl Tertiary Butyl Ether <= 0.084 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
- 179 Naphthalene <= 0.032 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
- 180 Phenol <= 0.039 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum

SPECIFIC REQUIREMENTS

AI ID: 585 - CLECO Corp - Dolet Hills Power Station

Activity Number: PER20060001

Permit Number: 0760-00001-Y1

Air - Title V Regular Permit Major Mod

GRP003 Entire Facility

- 181 Polynuclear Aromatic Hydrocarbons <= 0.052 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
- 182 Propionaldehyde <= 0.917 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
- 183 Styrene <= 0.060 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
- 184 Tetrachloroethylene <= 0.104 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
- 185 Toluene <= 0.584 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
- 186 Xylene (mixed isomers) <= 0.091 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
- 187 Ammonia <= 1.095 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
- 188 Antimony (and compounds) <= 0.046 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
- 189 Arsenic (and compounds) <= 0.991 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
- 190 Barium (and compounds) <= 3.901 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
- 191 Beryllium (Table 51.1) <= 0.051 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
- 192 Cadmium (and compounds) <= 0.123 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
- 193 Cobalt compounds <= 0.245 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
- 194 Copper (and compounds) <= 0.199 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
- 195 Hydrochloric acid <= 487.00 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
- 196 Hydrofluoric acid <= 71.600 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
- 197 Lead compounds <= 1.014 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
- 198 Manganese (and compounds) <= 1.209 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
- 199 Mercury (and compounds) <= 0.201 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
- 200 Nickel (and compounds) <= 0.727 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum

SPECIFIC REQUIREMENTS

AI ID: 585 - CLECO Corp - Dolet Hills Power Station

Activity Number: PER20060001

Permit Number: 0760-0001-V1

Air - Title V Regular Permit Major Mod

GRP003 Entire Facility

- 201 Selenium (and compounds) <= 3.141 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
 202 Vinyl acetate <= 0.018 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
 203 Zinc (and compounds) <= 0.591 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
 204 Methane <= 0.150 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
 205 Chlorinated dibenzo-p-dioxins < 0.001 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
 206 Sulfuric acid <= 26.500 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
 207 Nitrogen oxides <= 8970.53 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
 208 Carbon monoxide <= 4482.62 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum